

# Converting Colors

YIQ(137.7190, -10.1750,  
-19.3510)

Have a look what the booklet for  
YIQ(137.7190, -10.1750, -19.3510)  
contains.

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# Color

**YIQ(137.7190, -10.1750,  
-19.3510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	749974
RGB	116, 153, 116
RGB Percent	45%, 60%, 45%
CMY	0.5452, 0.3999, 0.5451
CMYK	0.24, 0.00, 0.24, 0.40
HSL	120°, 15%, 53%
HSV	120°, 24%, 60%
XYZ	21.7447, 27.7595, 20.7341
YIQ	137.7190, -10.1750, -19.3510

# Conversions

## Conversions Part 2

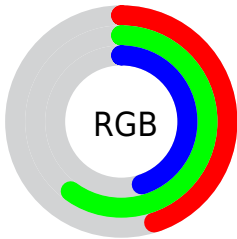
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 153, 153
Decimal	7641460
CIELab	59.67, -20.36, 15.40
CIELCh	60, 25.534, 142.897
Yxy	27.7595, 0.3096, 0.3952
Android (android.graphics.Color)	4285831540 (0xFF749974)
YUV	137.7190, -10.7075, -19.0476
Hunter-Lab	52.6873, -18.5336, 13.5486

# Details

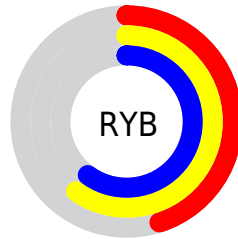
The YIQ color  $137.7190, -10.1750, -19.3510$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $131.2810, 10.1750, 19.3510$ , and the grayscale version is  $138.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $191.1920, -10.1290, -20.1850$ , and  $87.6590, -9.9460, -17.9940$  is the 20% darker color. If you saturate the color by 10%, you get  $131.5240, -14.3000, -27.1960$ , and if you desaturate by 10%, it is  $143.9140, -6.0500, -11.5060$ .

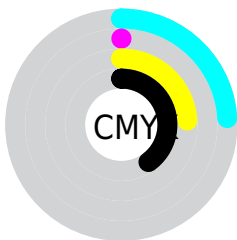
# Distribution



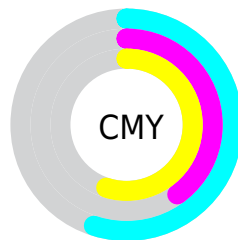
- Red (45%)
- Green (60%)
- Blue (45%)



- Red (45%)
- Yellow (60%)
- Blue (60%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)



- Cyan (55%)
- Magenta (40%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 137.7190, -10.1750, -19.3510 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 137.7190, -10.1750, -19.3510 by changing the saturation by 10% instead.



■ 137.7190,  
-10.1750, -19.3510

■ 137.7190,  
-10.1750, -19.3510

■ 255.0000, -0.0000,  
-0.0000

■ 112.1320, -9.9000,  
-18.8280

■ 191.7790,  
-10.4040, -20.7080

■ 87.6590, -9.9460,  
-17.9940

■ 219.3660,  
-10.6790, -21.2310

■ 63.7730, -10.2670,  
-17.6830

■ 242.0830, -8.2040,  
-16.5240

■ 41.0010, -10.9090,  
-17.0610

■ 254.0600, -0.2290,  
-1.3570

■ 19.3710, -9.0750,  
-17.2590

■ 0.0000, 0.0000,  
0.0000

■ 137.7190,  
-10.1750, -19.3510

■ 137.7190,  
-10.1750, -19.3510

■ 131.5240,  
-14.3000, -27.1960

■ 143.9140, -6.0500,  
-11.5060

■ 124.9160,  
-18.7000, -35.5640

■ 150.5220, -1.6500,  
-3.1380

■ 118.7210,  
-22.8250, -43.4090

■ 156.7170, 2.4750,  
4.7070

■ 112.5260,  
-26.9500, -51.2540

■ 162.9120, 6.6000,  
12.5520

■ 106.0320,  
-31.6710, -59.3110

■ 169.1070, 10.7250,  
20.3970

■ 99.7230, -35.4750,  
-67.4670

■ 175.7150, 15.1250,  
28.7650

■ 93.5280, -39.6000,  
-75.3120


■ 181.9100, 19.2500,  
36.6100

■ 89.8110, -42.0750,

■ 188.1050, 23.3750,

-80.0190

44.4550

 194.7130, 27.7750,  
52.8230

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



140.9620, 11.1900, -15.5780



137.7190, -10.1750, -19.3510



134.3990, -32.6410, -19.6890

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



137.7190, -10.1750, -19.3510



139.7140, -37.0010, 4.2710



146.1250, 36.6770, 12.6210

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



137.7190, -10.1750, -19.3510



131.2810, 10.1750, 19.3510

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



147.2520, 26.3140, 18.7140



137.7190, -10.1750, -19.3510



145.1300, -14.4450, 13.9950

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



137.7190, -10.1750, -19.3510



134.1370, -51.8540, -7.3900



146.9110, 8.3410, 19.5490



144.6160, 36.3120, 2.7120



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



137.7190, -10.1750, -19.3510



132.3360, -45.5250, -17.4690



146.9110, 8.3410, 19.5490



146.4500, 34.3840, 15.6320

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



137.7190, -10.1750, -19.3510



193.2180, -3.8500, -7.3220



148.7820, 11.8770, -11.5070



95.6960, -2.2000, -4.1840



227.0000, -0.0000, -0.0000



99.0000, -0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



137.7190, -10.1750, -19.3510



175.0460, -15.9500, -30.3340



139.7710, -15.9530, -13.7530



73.6960, -2.2000, -4.1840



82.1800, -38.5000, -73.2200



7.6310, -3.5750, -6.7990



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



131.2810, 10.1750, 19.3510



164.9540, 15.9500, 30.3340



129.1150, 16.2740, 13.4420



72.1900, 2.5210, 3.8730



57.8200, 38.5000, 73.2200



5.3690, 3.5750, 6.7990



# Previews

## White Background



This preview shows how the YIQ color 137.7190, -10.1750, -19.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 137.7190, -10.1750, -19.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 137.7190, -10.1750, -19.3510 Background



This preview shows how black text looks on a background with the YIQ color 137.7190, -10.1750, -19.3510.



This preview shows how white text looks on a background with the YIQ color 137.7190, -10.1750,

-19.3510.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

137.7190, -10.1750, -19.3510

### Protanopia

142.3420, 16.2320, -7.8320

### Deuteranopia

144.2060, 22.7870, 0.0270



## Tritanopia

141.4910, -17.5600, -1.1440

# Trichromacy



## Original Color

137.7190, -10.1750, -19.3510

## Protanomaly

141.0310, 6.7420, -12.0580

## Deuteranomaly

141.6450, 11.0050, -6.7150

## Tritanomaly

139.9440, -14.7620, -7.8020

# Monochromacy



## Original Color

137.7190, -10.1750, -19.3510

## Achromatopsia

138.0000, -0.0000, -0.0000

## Achromatomaly

137.6310, -3.5750, -6.7990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 137.7190, -10.1750, -19.3510 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(116, 153, 116)` looks like.

```
.text, #text, p{  
    color:rgb(116, 153, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(116, 153, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 153, 116) }
```

## Border

The CSS property to change the border of an element to YIQ 137.7190, -10.1750, -19.3510 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 153, 116) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(116, 153, 116) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(116, 153, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 153, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 153, 116);  
box-shadow:4px 4px 4px 4px rgb(116, 153,  
116) }
```

# Background

The CSS property to change the background color of an element to YIQ 137.7190, -10.1750, -19.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 153, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(116,  
153, 116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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